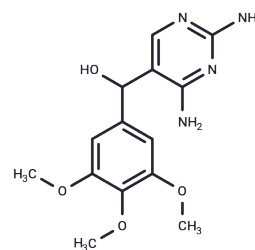


Ro 20-0657/000

## Chemical Properties

CAS No. : 29606-06-2  
 Formula: C<sub>14</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub>  
 Molecular Weight: 306.32  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ro 20-0657/000 is a metabolite of Trimethoprim, an inhibitor of dihydrofolate reductase and an antibacterial agent used in human and veterinary medicine.
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2646 mL	16.3228 mL	32.6456 mL
5 mM	0.6529 mL	3.2646 mL	6.5291 mL
10 mM	0.3265 mL	1.6323 mL	3.2646 mL
50 mM	0.0653 mL	0.3265 mL	0.6529 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Robert E. London, et al. Nuclear magnetic resonance study of interaction of ligands with Streptococcus faecium dihydrofolate reductase labeled with [ $\gamma$ -<sup>13</sup>C]tryptophan. Biochemistry 1982, 21, 18, 4450-4458.
- van 't Klooster GA, et al. Determination of trimethoprim and its oxidative metabolites in cell culture media and microsomal incubation mixtures by high-performance liquid chromatography. J Chromatogr. 1992 Sep 2;579(2): 354-60.
- Tadić Đ, et al. Simultaneous determination of multiclass antibiotics and their metabolites in four types of field-grown vegetables. Anal Bioanal Chem. 2019 Aug;411(20):5209-5222.

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